

MEMORANDUM

To: DDA Board of Directors
From: Rob Bacigalupi, Executive Director
Re: April 1, 2016 Special Board Meeting
Date: March 29, 2016

Enclosed is a memorandum from City Engineer Tim Lodge detailing bids received for the Garland Street Re-construction project. We all know this has been a big effort both in terms of gaining control of land needed for the realignment as well as arriving at a design that meets the City's, and property owners and businesses needs. We scheduled the April 1 meeting in order to maintain a Spring 2016 construction schedule. The City Commission is scheduled to vote on the project at their April 4 meeting.

The main question before the DDA Board is that of funding the project. Bids came in higher than the original budget and higher than the engineer's recent estimate. From a planning standpoint, we have been working with a \$1,585,000 budget for the project in the capital improvement plan. That being \$1,315,000 from TIF 97, \$70,000 from the Parking Fund, and \$200,000 from Traverse City Light and Power. Mr. Lodge is proposing a budget totaling \$1,880,379.15 which includes construction as well as engineering costs not to mention construction oversight services by Fleis and Vandenbrink approved last fall. Traverse City Light and Power's participation is yet to be determined. A request has been made and will be discussed at their board meeting on April 12. Traverse City Light and Power is working under a newer Decorative Lighting Policy, which is attached.

In order to proceed with Spring construction, the DDA Board would need to take action to authorize \$1,810,379.15 out of TIF 97 and \$70,000 out of the Traverse City Parking Fund. As we have discussed in the past, there is a need to borrow funds though, even with the higher project costs, the amount needed is no more than \$300,000, considerably less than estimated last year. The amount needed to be borrowed will go down if Traverse City Light and Power agrees to assist with some of the costs. If this loan is needed, we would be able to pay it off by the end of the 2016-17 fiscal year.

I will briefly walk through the history of the project, and the funding picture on Friday. I recommend that the **DDA Board of Directors concur with the City Engineer's March 29, 2016 recommended that this work be awarded to Elmer's and that the proper City officials be authorized to execute a contract with the above-mentioned low bidder, in the amount of \$1,639,379.15, more or less, and further that up to \$1,810,379.15 be allocated of TIF 97 Fund for said contract, consultant contracts and contingency, contingent upon staff requesting funding assistance from Traverse City Light and Power for lighting and related costs.**

cc: City Manager
Traverse City City Commissioners

DOWNTOWN DEVELOPMENT AUTHORITY SPECIAL MEETING AGENDA

Friday, April 1, 2016, 8:00 a.m.

Commission Chambers, Second Floor

Governmental Center, 400 Boardman Avenue, Traverse City

www.downtowntc.com

Information and minutes are available from the DDA Director, 303 East State Street, Suite C, Traverse City, MI 49684, (231) 922-2050. If you are planning to attend the meeting and are handicapped requiring special assistance; please notify the DDA Director as soon as possible.

1. Roll Call
2. Consideration of concurring with the City Engineer's recommendation to execute a contract with Elmer's Crane & Dozer to complete the Garland Street project
3. Public Comment
4. Adjournment

The Traverse City Downtown Development Authority does not discriminate on the basis of disability in the admission or access to, or treatment or employment in, its programs or activities. The DDA Executive Director has been designated to coordinate compliance with the non-discrimination requirements contained in Section 35.107 of the Department of Justice regulations. Information concerning the provisions of the Americans with Disabilities Act, and the rights provided thereunder, are available from the DDA office.

Memorandum

The City of Traverse City
Engineering Department



TO: Marty Colburn, City Manager
Rob Bacigalupi, DDA Executive Director
Tim Arends, TCLP Executive Director

FROM: Timothy J. Lodge, City Engineer *Hodge*

DATE: March 28, 2016

SUBJECT: 2016 Garland Street Reconstruction Project

The City of Traverse City/DDA is planning improvements to Garland Street between Hall Street and the Grandview Parkway/Union Street. The project is anticipated to include total reconstruction of the street, streetscapes, utilities, drainage improvements and related work. A new alignment changing the east terminus from the Grandview Parkway to Union Street between the Visitor Center and the 5/3rd Bank Drive-Thru has been agreed to by TC Tourism and we are working with 5/3 to finalize this change.

In 2010 the City/DDA hired the consulting firm of Greenan and Associates, LLC to perform consulting services including schematic design and report, final design, bidding and construction administration for the project. They completed a public involvement process as part of the schematic design and delivered final plans to the City in October 2013. The project was reviewed and approved by the City Planning Commission on July 20, 2011.

Greenan and Associates, LLC ceased business operations in 2014 and we then hired the consulting firm of Fleis & Vandenbrink (F & V) to complete the design with updates, prepare bidding documents, assist with bidding and perform construction administration and construction engineering for the project.

While proceeding with the updates it became apparent that the additional public involvement was necessary to refine the design. Also, the electronic files that were provided by the previous consultant were not entirely usable in the form provided to merely update the design. Thus, we completed additional public involvement in 2014/15. Agreements with TC Tourism and 5/3 were being negotiated during much of this time. Select plan sheets of the final design are attached for reference.

So, after many years of discussion sealed bids for the above referenced project were received on March 28, 2016. Two bids were received for this work as follows:

Crawford Contracting, Inc
Elmer's

Mt. Pleasant
Traverse City

\$1,567,738.01
\$1,574,477.15

The bid amounts above include unit pricing for 107 individual work items. In addition we asked for Bid Alternates including:

- a. For Contractor to provide luminaire and post selected during the public involvement as Alternate Pay Items as an option to owner furnished materials. (Bid Alternate Item 98A)
- b. For Contractor recommended alternatives to the luminaire and post selected for the project. (Bid Alternate Item 98B)
- c. For Contractor to add a dimming system to the lighting circuits capable of 0-10V, DC dimming. (Bid Alternate Item 200)
- d. Clarified pay items for separating upper receptacle circuits and lower receptacle circuits from other pay items. The upper receptacle circuits provide power to the decorative string lights at each light pole. The lower receptacle circuit provides power to the event outlets at each light pole. (Bid Alternate Item 201 and 202)

We have attached the bid tabulation and analysis for reference showing the Engineer's Estimate and the bids of the two contractors. Our consultant, Fleis and Vandenbrink estimated the cost for the work to be \$1,321,653.41 plus any of the selected Bid Alternates. Both bids came in nineteen percent over the estimated costs but the two bids were within one half of one percent of each other. We attribute the additional costs to the work items for traffic control, environmental compliance and contaminated soil removal, earthwork and costs for decorative concrete which were underestimated in the Engineer's Estimate.

It is important to acknowledge that the project scope includes reconstructing portions of Hall Street, adding sidewalk, curb and gutter to the west side, constructing a marked cross walk across Grand View Parkway and Union Street, reconstructing a portion of Union Street, environmental testing, monitoring and removal of contaminated material and repairing the existing sanitary sewer. After reviewing the bids received including the Bid Alternatives we offer the following recommendations:

1. Accept the low bid of Elmer's with Bid Alternates 200, 201 and 202 for a total contract amount of \$1,639,379.15.

Crawford Contracting, Inc	Mt Pleasant	\$1,650,538.01
Elmer's	Traverse City	\$1,639,379.15

2. Request alternate light fixtures and poles from vendors with a direct purchase and installation by TCLP in an amount not to exceed \$5,000 per pole, or \$130,000, in accordance with the 2013 TCLP Policy on Decorative Street Lighting.
3. Request funding participation for the project from TCLP in an amount up to the cost of the lighting estimated to be \$320,000 (\$160,968+\$130,000+\$29,032) including an estimated 10% contingency and maximum cost of \$5,000 per pole and fixture for 26 street lights. Funding will need to comply with the 2010 Street Lighting and Operations Policy and the 2013 TCLP Decorative Lighting Policy.
4. Request funding participation for the project from the City's Wastewater fund in the amount of \$60,000.
5. Request funding participation for the project from the Brownfield grant in the amount of \$53,750 for eligible environmental related items.

A Special Downtown Development Authority Meeting will be held on April 1 to consider the project. If no additional funding other than TIF 97 Funds and Parking Funds are allocated to the project then we estimate the entire remaining project cost will be \$1,880,379.15. A breakdown follows:

Elmer's Base Bid	\$1,574,477.15
Sub Total Alternates 200, 201,202	\$ 64,902.00
Sub Total Base + Alternates	\$1,639,379.15
Budget for Light Fixtures	\$ 130,000.00
Total Construction Cost	\$1,769,379.15
Construction Engineering	\$ 65,000.00
Environmental Consultants	\$ 20,000.00
5/3 Easement	\$ 26,000.00
Total Project Cost	\$1,880,379.15

Assuming DDA concurrence with this recommendation on April 1, 2016 the final contract amount for Elmer's is \$1,639,379.15. *Therefore, it is recommended that this work be awarded to Elmer's and that the proper City officials be authorized to execute a contract with the above-mentioned low bidder, in the amount of \$1,639,379.15, more or less, with funds available in the Capital Projects Fund.*

2016 Garland Street Reconstruction Project

Location # 1 Garland St.				Engineer's Estimate		Crawford Contracting, Inc.		Elmer's Crane and Dozer, Inc.		CONTRACTOR BID ANALYSIS				FUNDING CATEGORIES		
				Fleis & Vandenbrink								Crawford Contracting, Inc.		Elmer's Crane and Dozer, Inc.		Elmer's Crane and Dozer, Inc. Bid Amounts
Item No.	Est Qty	Unit	Description of Items	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	% Over/Under	Total Price Difference	% Over/Under	Total Price Difference	Wastewater	Lighting	Environmental
1	1.00	Lsum	Mobilization (5%)	\$ 67,119.00	\$ 67,119.00	\$ 70,000.00	\$ 70,000.00	\$ 74,000.00	\$ 74,000.00	104%	\$ 2,881.00	110%	\$ 6,881.00			
2	1.00	Lsum	Traffic Control	\$ 15,000.00	\$ 15,000.00	\$ 190,000.00	\$ 190,000.00	\$ 35,000.00	\$ 35,000.00	1267%	\$ 175,000.00	233%	\$ 20,000.00			
3	1.00	Lsum	Erosion Control Devices	\$ 5,000.00	\$ 5,000.00	\$ 16,500.00	\$ 16,500.00	\$ 10,000.00	\$ 10,000.00	330%	\$ 11,500.00	200%	\$ 5,000.00			
4	1.00	Lsum	Contractor Requirements of Environmental Construction Management Plan	\$ 2,500.00	\$ 2,500.00	\$ 10,000.00	\$ 10,000.00	\$ 50,000.00	\$ 50,000.00	400%	\$ 7,500.00	2000%	\$ 47,500.00			\$ 50,000.00
5	50.00	Cyd	Non Haz Contaminated Material Handling and Disposal, LM	\$ 40.00	\$ 2,000.00	\$ 100.00	\$ 5,000.00	\$ 75.00	\$ 3,750.00	250%	\$ 3,000.00	188%	\$ 1,750.00			\$ 3,750.00
6	9.00	Ea	Dr Structure, Rem	\$ 262.81	\$ 2,365.29	\$ 500.00	\$ 4,500.00	\$ 500.00	\$ 4,500.00	190%	\$ 2,134.71	190%	\$ 2,134.71			
7	3.00	Ea	Dr Structure, Abandon	\$ 214.69	\$ 644.07	\$ 400.00	\$ 1,200.00	\$ 600.00	\$ 1,800.00	186%	\$ 555.93	279%	\$ 1,155.93			
8	264.00	Ft	Sewer, Rem, Less than 24 Inch	\$ 9.43	\$ 2,489.52	\$ 15.00	\$ 3,960.00	\$ 14.00	\$ 3,696.00	159%	\$ 1,470.48	148%	\$ 1,206.48			
9	460.00	Ft	Sewer, Abandon, Less than 24 Inch	\$ 8.47	\$ 3,896.20	\$ 12.00	\$ 5,520.00	\$ 10.00	\$ 4,600.00	142%	\$ 1,623.80	118%	\$ 703.80			
10	1.00	Ea	Bulkhead, 15 Inch	\$ 138.87	\$ 138.87	\$ 300.00	\$ 300.00	\$ 250.00	\$ 250.00	216%	\$ 161.13	180%	\$ 111.13			
11	155.00	Ft	Sewer, CI IV RCP, 12 Inch, Tr Det B1	\$ 43.80	\$ 6,789.00	\$ 50.00	\$ 7,750.00	\$ 50.00	\$ 7,750.00	114%	\$ 961.00	114%	\$ 961.00			
12	719.00	Ft	Sewer, CI IV RCP, 18 Inch, Tr Det B1	\$ 48.42	\$ 34,813.98	\$ 60.00	\$ 43,140.00	\$ 65.00	\$ 46,735.00	124%	\$ 8,326.02	134%	\$ 11,921.02			
13	874.00	Ft	Video Taping Sewer Pipe	\$ 1.15	\$ 1,005.10	\$ 2.00	\$ 1,748.00	\$ 2.00	\$ 1,748.00	174%	\$ 742.90	174%	\$ 742.90			
14	11.00	Ea	Catch Basin, 24 Inch Dia, W/2' Sump	\$ 1,032.04	\$ 11,352.44	\$ 1,300.00	\$ 14,300.00	\$ 1,200.00	\$ 13,200.00	126%	\$ 2,947.56	116%	\$ 1,847.56			
15	10.00	Ea	Dr Structure, 48 Inch Dia	\$ 1,592.97	\$ 15,929.70	\$ 1,700.00	\$ 17,000.00	\$ 1,850.00	\$ 18,500.00	107%	\$ 1,070.30	116%	\$ 2,570.30			
16	1.00	Ea	Dr Structure, 84 Inch Dia	\$ 5,188.86	\$ 5,188.86	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	154%	\$ 2,811.14	154%	\$ 2,811.14			
17	13.00	Ea	Dr Structure Cover, EJ 1040 Casting (Storm)	\$ 435.30	\$ 5,658.90	\$ 900.00	\$ 11,700.00	\$ 665.00	\$ 8,645.00	207%	\$ 6,041.10	153%	\$ 2,986.10			
18	2.00	Ea	Dr Structure Cover, EJ 1040 Casting (Sanitary)	\$ 739.67	\$ 1,479.34	\$ 900.00	\$ 1,800.00	\$ 665.00	\$ 1,330.00	122%	\$ 320.66	90%	\$ (149.34)			
19	12.00	Ea	Dr Structure Cover, EJ 5105 Casting	\$ 420.67	\$ 5,048.04	\$ 800.00	\$ 9,600.00	\$ 740.00	\$ 8,880.00	190%	\$ 4,551.96	176%	\$ 3,831.96			
20	1.00	Ea	Dr Structure Cover, EJ 7045 Casting	\$ 540.81	\$ 540.81	\$ 1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00	185%	\$ 459.19	148%	\$ 259.19			
21	50.00	Ft	Dewatering System, Trench	\$ 195.00	\$ 9,750.00	\$ 100.00	\$ 5,000.00	\$ 40.00	\$ 2,000.00	51%	\$ (4,750.00)	21%	\$ (7,750.00)	\$ 2,000.00		
22	484.00	Ft	Sanitary Sewer, CIPP, Mainline	\$ 38.00	\$ 18,392.00	\$ 60.00	\$ 29,040.00	\$ 56.00	\$ 27,104.00	158%	\$ 10,648.00	147%	\$ 8,712.00	\$ 27,104.00		
23	4.00	Ea	Sanitary Sewer, CIPP, Long Lateral	\$ 8,300.00	\$ 33,200.00	\$ 1,600.00	\$ 6,400.00	\$ 5,000.00	\$ 20,000.00	19%	\$ (26,800.00)	60%	\$ (13,200.00)	\$ 20,000.00		
24	3.00	Ea	Sanitary Sewer, CIPP, Short Lateral	\$ 3,400.00	\$ 10,200.00	\$ 500.00	\$ 1,500.00	\$ 1,000.00	\$ 3,000.00	15%	\$ (8,700.00)	29%	\$ (7,200.00)	\$ 3,000.00		
25	330.00	Ft	Sanitary Sewer, CIPP, Short Lateral		\$ -		\$ -		\$ -		\$ -		\$ -	\$ -		
26	480.00	Ft	Pipe Insulation	\$ 20.00	\$ 9,600.00	\$ 30.00	\$ 14,400.00	\$ 15.00	\$ 7,200.00	150%	\$ 4,800.00	75%	\$ (2,400.00)	\$ 7,200.00		
27	1.00	Ea	Hydrant and Valve, Rel, Case 2	\$ 2,586.74	\$ 2,586.74	\$ 3,000.00	\$ 3,000.00	\$ 4,950.00	\$ 4,950.00	116%	\$ 413.26	191%	\$ 2,363.26			
28	14.00	Ea	Tree, Rem, 6 Inch to 18 Inch	\$ 184.10	\$ 2,577.40	\$ 650.00	\$ 9,100.00	\$ 500.00	\$ 7,000.00	353%	\$ 6,522.60	272%	\$ 4,422.60			
29	4141.00	Syd	Pavt, Rem	\$ 8.00	\$ 33,128.00	\$ 8.00	\$ 33,128.00	\$ 10.00	\$ 41,410.00	100%	\$ -	125%	\$ 8,282.00			
30	134.00	Ft	Fence, Rem	\$ 5.00	\$ 670.00	\$ 4.00	\$ 536.00	\$ 10.00	\$ 1,340.00	80%	\$ (134.00)	200%	\$ 670.00			
31	8.00	Ea	Guard Post, Rem	\$ 30.00	\$ 240.00	\$ 200.00	\$ 1,600.00	\$ 100.00	\$ 800.00	667%	\$ 1,360.00	333%	\$ 560.00			
32	2595.00	Syd	Cold Milling HMA Surface	\$ 2.25	\$ 5,838.75	\$ 2.74	\$ 7,110.30	\$ 2.00	\$ 5,190.00	122%	\$ 1,271.55	89%	\$ (648.75)			
33	1.00	Lsum	Pavt, Cleaning [Union St & Hall St]	\$ 1,200.00	\$ 1,200.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	208%	\$ 1,300.00	208%	\$ 1,300.00			
34	18.00	Ea	Sign, Type III, Rem and Salv	\$ 10.00	\$ 180.00	\$ 25.00	\$ 450.00	\$ 25.00	\$ 450.00	250%	\$ 270.00	250%	\$ 270.00			
35	5.00	Ea	Parking Meter, Rem and Salv	\$ 25.00	\$ 125.00	\$ 300.00	\$ 1,500.00	\$ 150.00	\$ 750.00	1200%	\$ 1,375.00	600%	\$ 625.00			
36	1.00	Lsum	Elec Trans, Rel	\$ 10,000.00	\$ 10,000.00	\$ 4,000.00	\$ 4,000.00	\$ 15,000.00	\$ 15,000.00	40%	\$ (6,000.00)	150%	\$ 5,000.00			
37	1.00	Lsum	Equipment, HVAC, Rem, Salv, Install	\$ 15,000.00	\$ 15,000.00	\$ 12,000.00	\$ 12,000.00	\$ 4,200.00	\$ 4,200.00	80%	\$ (3,000.00)	28%	\$ (10,800.00)			
38	1.00	Lsum	Heated Walkway, Connect to Ex	\$ 4,000.00	\$ 4,000.00	\$ 10,000.00	\$ 10,000.00	\$ 25,000.00	\$ 25,000.00	250%	\$ 6,000.00	625%	\$ 21,000.00			
39	1.00	Lsum	Fire Suppression, Rel	\$ 2,000.00	\$ 2,000.00	\$ 11,000.00	\$ 11,000.00	\$ 15,000.00	\$ 15,000.00	550%	\$ 9,000.00	750%	\$ 13,000.00			
40	1.00	Lsum	Backflow Prevention, Rel	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00	250%	\$ 3,000.00	375%	\$ 5,500.00			
41	10.17	Station	Earthwork	\$ 600.00	\$ 6,102.00	\$ 2,500.00	\$ 25,425.00	\$ 5,000.00	\$ 50,850.00	417%	\$ 19,323.00	833%	\$ 44,748.00			
42	1701.00	Cyd	Subbase, LM	\$ 11.50	\$ 19,561.50	\$ 0.01	\$ 17.01	\$ 18.00	\$ 30,618.00	0%	\$ (19,544.49)	157%	\$ 11,056.50			
43	3021.00	Syd	Aggregate Base, 4 Inch	\$ 6.50	\$ 19,636.50	\$ 3.50	\$ 10,573.50	\$ 6.00	\$ 18,126.00	54%	\$ (9,063.00)	92%	\$ (1,510.50)			
44	657.00	Syd	Aggregate Base, 8 Inch	\$ 8.50	\$ 5,584.50	\$ 6.50	\$ 4,270.50	\$ 10.00	\$ 6,570.00	76%	\$ (1,314.00)	118%	\$ 985.50			
45	6.00	Ea	Dr Structure Cover, Adj, Case 2	\$ 454.66	\$ 2,727.96	\$ 400.00	\$ 2,400.00	\$ 500.00	\$ 3,000.00	88%	\$ (327.96)	110%	\$ 272.04			
46	3.00	Ea	Gas Shutoff, Adj	\$ 260.95	\$ 782.85	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00	77%	\$ (182.85)	96%	\$ (32.85)			
47	5.00	Ea	Gate Box, Adj, Case 2	\$ 260.95	\$ 1,304.75	\$ 300.00	\$ 1,500.00	\$ 250.00	\$ 1,250.00	115%	\$ 195.25	96%	\$ (54.75)			
48	1.00	Ea	Water Shutoff, Adj, Case 2	\$ 245.00	\$ 245.00	\$ 200.00	\$ 200.00	\$ 250.00	\$ 250.00	82%	\$ (45.00)	102%	\$ 5.00			
49	1.00	Ea	Monitoring Well Cover, Adj, Case 2	\$ 260.95	\$ 260.95	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	192%	\$ 239.05	96%	\$ (10.95)			
50	3.00	Ea	Structure Cover, Adj, Case 2	\$ 454.66	\$ 1,363.98	\$ 400.00	\$ 1,200.00	\$ 500.00	\$ 1,500.00	88%	\$ (163.98)	110%	\$ 136.02			
51	45.00	Ton	HMA, 13A (220 #/SYD)	\$ 70.00	\$ 3,150.00	\$ 98.15	\$ 4,416.75	\$ 96.85	\$ 4,358.25	140%	\$ 1,266.75	138%	\$ 1,208.25			

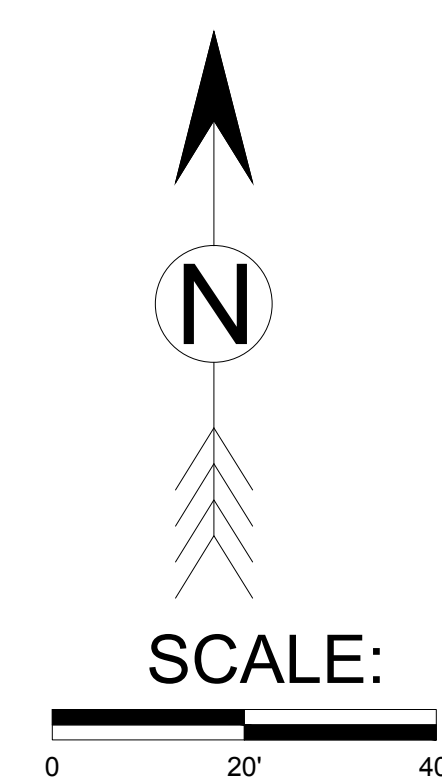
2016 Garland Street Reconstruction Project

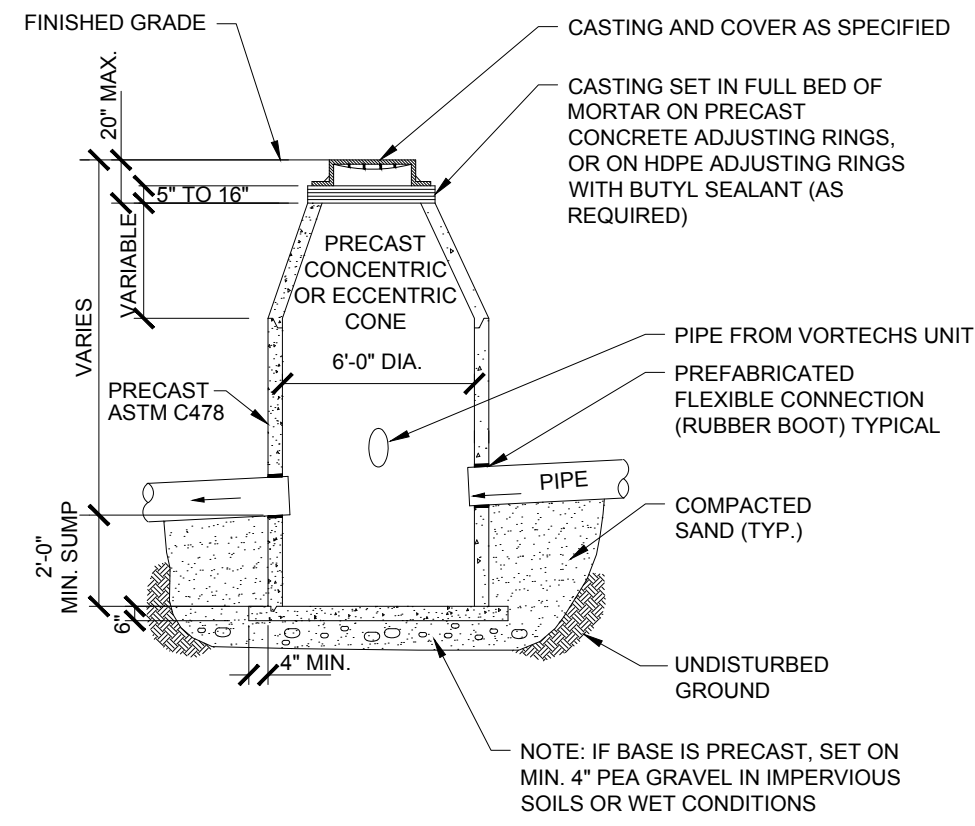
				Engineer's Estimate		Crawford Contracting, Inc.		Elmer's Crane and Dozer, Inc.		CONTRACTOR BID ANALYSIS				FUNDING CATEGORIES		
62	36.00	Ft	Driveway Opening, Conc, Det M (Plain)	\$ 18.00	\$ 648.00	\$ 18.00	\$ 648.00	\$ 18.00	\$ 648.00	100%	\$ -	100%	\$ -			
63	876.00	Ft	Driveway Opening, Conc, Det M (Colored)	\$ 23.00	\$ 20,148.00	\$ 29.00	\$ 25,404.00	\$ 30.00	\$ 26,280.00	126%	\$ 5,256.00	130%	\$ 6,132.00			
64	1457.00	Syd	Decorative Sidewalk, Conc, 9 Inch	\$ 73.00	\$ 106,361.00	\$ 135.00	\$ 196,695.00	\$ 173.00	\$ 252,061.00	185%	\$ 90,334.00	237%	\$ 145,700.00	Wastewater	Lighting	Environmental
65	3227.00	Sft	Sidewalk, Conc, 4 Inch	\$ 3.08	\$ 9,939.16	\$ 3.25	\$ 10,487.75	\$ 4.25	\$ 13,714.75	106%	\$ 548.59	138%	\$ 3,775.59			
66	362.00	Sft	Sidewalk, Conc, 6 Inch	\$ 4.22	\$ 1,527.64	\$ 4.25	\$ 1,538.50	\$ 5.00	\$ 1,810.00	101%	\$ 10.86	118%	\$ 282.36			
67	937.00	Sft	Sidewalk Ramp, 6 Inch	\$ 5.75	\$ 5,387.75	\$ 6.25	\$ 5,856.25	\$ 5.75	\$ 5,387.75	109%	\$ 468.50	100%	\$ -			
68	212.00	Ft	Detectable Warning Surface	\$ 37.55	\$ 7,960.60	\$ 80.00	\$ 16,960.00	\$ 86.00	\$ 18,232.00	213%	\$ 8,999.40	229%	\$ 10,271.40			
69	251.00	Ft	Decorative Brick Banding	\$ 7.48	\$ 1,877.48	\$ 40.00	\$ 10,040.00	\$ 30.00	\$ 7,530.00	535%	\$ 8,162.52	401%	\$ 5,652.52			
70	20.00	Ft	Joint, Plane-of-Weakness, D	\$ 15.00	\$ 300.00	\$ 25.00	\$ 500.00	\$ 22.00	\$ 440.00	167%	\$ 200.00	147%	\$ 140.00			
71	14.00	Ft	Handrail	\$ 75.00	\$ 1,050.00	\$ 250.00	\$ 3,500.00	\$ 250.00	\$ 3,500.00	333%	\$ 2,450.00	333%	\$ 2,450.00			
72	1.00	Lsum	Steps, Conc	\$ 1,200.00	\$ 1,200.00	\$ 3,700.00	\$ 3,700.00	\$ 4,350.00	\$ 4,350.00	308%	\$ 2,500.00	363%	\$ 3,150.00			
73	324.00	Ft	Post, Steel, 3lb	\$ 5.01	\$ 1,623.24	\$ 6.50	\$ 2,106.00	\$ 6.50	\$ 2,106.00	130%	\$ 482.76	130%	\$ 482.76			
74	10.00	Ea	Post Hole Through Conc For Steel Post	\$ 34.40	\$ 344.00	\$ 125.00	\$ 1,250.00	\$ 125.00	\$ 1,250.00	363%	\$ 906.00	363%	\$ 906.00			
75	104.00	Sft	Sign, Type IIIB	\$ 13.17	\$ 1,369.68	\$ 20.00	\$ 2,080.00	\$ 20.00	\$ 2,080.00	152%	\$ 710.32	152%	\$ 710.32			
76	500.00	Ft	Pavt Mrkg, Regular Dry, 4 Inch, White	\$ 0.25	\$ 125.00	\$ 1.25	\$ 625.00	\$ 1.25	\$ 625.00	500%	\$ 500.00	500%	\$ 500.00			
77	35.00	Ft	Pavt Mrkg, Thermopl, 4 Inch, White	\$ 0.95	\$ 33.25	\$ 2.00	\$ 70.00	\$ 2.00	\$ 70.00	211%	\$ 36.75	211%	\$ 36.75			
78	256.00	Ft	Pavt Mrkg, Thermopl, 4 Inch, Yellow	\$ 0.95	\$ 243.20	\$ 2.00	\$ 512.00	\$ 2.00	\$ 512.00	211%	\$ 268.80	211%	\$ 268.80			
79	128.00	Ft	Pavt Mrkg, Thermopl, 6 Inch, White	\$ 1.27	\$ 162.56	\$ 2.95	\$ 377.60	\$ 2.95	\$ 377.60	232%	\$ 215.04	232%	\$ 215.04			
80	27.00	Ft	Pavt Mrkg, Thermopl, 24 Inch, Stop Bar	\$ 9.19	\$ 248.13	\$ 11.80	\$ 318.60	\$ 11.80	\$ 318.60	128%	\$ 70.47	128%	\$ 70.47			
81	368.00	Ft	Pavt Mrkg, Ovly Cold Plastic, 24 Inch, Crosswalk	\$ 11.48	\$ 4,224.64	\$ 12.50	\$ 4,600.00	\$ 12.50	\$ 4,600.00	109%	\$ 375.36	109%	\$ 375.36			
82	1.00	Ea	Pavt Mrkg, Ovly Cold Plastic, LT Turn Arrow	\$ 128.84	\$ 128.84	\$ 155.00	\$ 155.00	\$ 155.00	\$ 155.00	120%	\$ 26.16	120%	\$ 26.16			
83	1.00	Ea	Pavt Mrkg, Ovly Cold Plastic, RT Turn Arrow	\$ 128.84	\$ 128.84	\$ 155.00	\$ 155.00	\$ 155.00	\$ 155.00	120%	\$ 26.16	120%	\$ 26.16			
84	2.00	Ea	Pavt Mrkg, Ovly Cold Plastic, Only	\$ 135.72	\$ 271.44	\$ 155.00	\$ 310.00	\$ 155.00	\$ 310.00	114%	\$ 38.56	114%	\$ 38.56			
85	246.00	Sft	Traffic Scapes, Running Bond Pattern w/Border	\$ 40.00	\$ 9,840.00	\$ 25.00	\$ 6,150.00	\$ 25.00	\$ 6,150.00	63%	\$ (3,690.00)	63%	\$ (3,690.00)			
86	338.00	Syd	Turf Establishment	\$ 3.25	\$ 1,098.50	\$ 7.00	\$ 2,366.00	\$ 12.00	\$ 4,056.00	215%	\$ 1,267.50	369%	\$ 2,957.50			
87	56.00	Ft	Vinyl Fence	\$ 25.00	\$ 1,400.00	\$ 30.00	\$ 1,680.00	\$ 25.00	\$ 1,400.00	120%	\$ 280.00	100%	\$ -			
88	8.00	Ea	Trash Receptacle	\$ 1,000.00	\$ 8,000.00	\$ 2,000.00	\$ 16,000.00	\$ 2,040.00	\$ 16,320.00	200%	\$ 8,000.00	204%	\$ 8,320.00			
89	4.00	Ea	Bench	\$ 1,200.00	\$ 4,800.00	\$ 2,000.00	\$ 8,000.00	\$ 2,040.00	\$ 8,160.00	167%	\$ 3,200.00	170%	\$ 3,360.00			
90	8.00	Ea	Bicycle Rack	\$ 1,000.00	\$ 8,000.00	\$ 600.00	\$ 4,800.00	\$ 600.00	\$ 4,800.00	60%	\$ (3,200.00)	60%	\$ (3,200.00)			
91	42.00	Ft	Segmented Masonry Retaining Wall, 0" to 20" High	\$ 125.00	\$ 5,250.00	\$ 60.00	\$ 2,520.00	\$ 100.00	\$ 4,200.00	48%	\$ (2,730.00)	80%	\$ (1,050.00)			
92	3.00	Ea	Light Std Assembly, Rem and Salv	\$ 434.40	\$ 1,303.20	\$ 575.00	\$ 1,725.00	\$ 775.00	\$ 2,325.00	132%	\$ 421.80	178%	\$ 1,021.80		\$ 2,325.00	
93	4.00	Ea	Light Std Assembly, Relocate	\$ 2,316.71	\$ 9,266.84	\$ 825.00	\$ 3,300.00	\$ 2,950.00	\$ 11,800.00	36%	\$ (5,966.84)	127%	\$ 2,533.16		\$ 11,800.00	
94	1864.00	Ft	Conduit, DB, 1, 1 1/2 Inch	\$ 9.16	\$ 17,074.24	\$ 9.50	\$ 17,708.00	\$ 3.00	\$ 5,592.00	104%	\$ 633.76	33%	\$ (11,482.24)		\$ 5,592.00	
95	60.00	Ft	Conduit, DB, 1, 2 Inch	\$ 12.74	\$ 764.40	\$ 13.00	\$ 780.00	\$ 3.50	\$ 210.00	102%	\$ 15.60	27%	\$ (554.40)		\$ 210.00	
96	60.00	Ft	Conduit, DB, 2, 3 Inch	\$ 5.04	\$ 302.40	\$ 25.00	\$ 1,500.00	\$ 6.00	\$ 360.00	496%	\$ 1,197.60	119%	\$ 57.60		\$ 360.00	
97	14357.00	Ft	DB Cable, 600V, 1/C#8	\$ 1.50	\$ 21,535.50	\$ 2.50	\$ 35,892.50	\$ 1.80	\$ 25,842.60	167%	\$ 14,357.00	120%	\$ 4,307.10		\$ 25,842.60	
98	20.00	Ea	Light Std Fdn	\$ 1,202.26	\$ 24,045.20	\$ 975.00	\$ 19,500.00	\$ 1,000.00	\$ 20,000.00	81%	\$ (4,545.20)	83%	\$ (4,045.20)		\$ 20,000.00	
99	6.00	Ea	Light Shallow Foundation	\$ 1,000.00	\$ 6,000.00	\$ 1,800.00	\$ 10,800.00	\$ 4,800.00	\$ 28,800.00	180%	\$ 4,800.00	480%	\$ 22,800.00		\$ 28,800.00	
100	26.00	Ea	Hh, Polymer Conc	\$ 794.77	\$ 20,664.02	\$ 950.00	\$ 24,700.00	\$ 500.00	\$ 13,000.00	120%	\$ 4,035.98	63%	\$ (7,664.02)		\$ 13,000.00	
101	26.00	Ea	Install Light Std Shaft, Arm, Luminaire	\$ 5,000.00	\$ 130,000.00	\$ 725.00	\$ 18,850.00	\$ 425.00	\$ 11,050.00	15%	\$ (111,150.00)	9%	\$ (118,950.00)		\$ 11,050.00	
102	1075.00	Ft	String Lighting	\$ 50.00	\$ 53,750.00	\$ 20.00	\$ 21,500.00	\$ 5.50	\$ 5,912.50	40%	\$ (32,250.00)	11%	\$ (47,837.50)		\$ 5,912.50	
103	2.00	Ea	Service Cabinet, Secondary Type L1	\$ 10,000.00	\$ 20,000.00	\$ 10,500.00	\$ 21,000.00	\$ 6,750.00	\$ 13,500.00	105%	\$ 1,000.00	68%	\$ (6,500.00)		\$ 13,500.00	
104	2.00	Ea	Elec Service Allowance	\$ 3,000.00	\$ 6,000.00	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00	50%	\$ (3,000.00)	100%	\$ -		\$ 6,000.00	
105	5.00	Ea	Hh, Polymer Conc, 13" x 24" x 18", Communications	\$ 794.77	\$ 3,973.85	\$ 2,100.00	\$ 10,500.00	\$ 500.00	\$ 2,500.00	264%	\$ 6,526.15	63%	\$ (1,473.85)		\$ 2,500.00	
106	1020.00	Ft	Conduit, DB, 1, 4 Inch	\$ 6.00	\$ 6,120.00	\$ 13.00	\$ 13,260.00	\$ 6.60	\$ 6,732.00	217%	\$ 7,140.00	110%	\$ 612.00		\$ 6,732.00	
107	1020.00	Ft	Conduit, DB, 1, 6 Inch	\$ 8.00	\$ 8,160.00	\$ 15.00	\$ 15,300.00	\$ 7.20	\$ 7,344.00	188%	\$ 7,140.00	90%	\$ (816.00)		\$ 7,344.00	
BASE BID Subtotal				\$ 1,201,503.10		\$ 1,567,738.01		\$ 1,574,477.15		\$ 366,234.91		\$ 372,974.05	\$ 59,304.00	\$ 160,968.10	\$ 53,750.00	
10% Contingency				\$ 120,150.31										\$ 29,031.90		
Total				\$ 1,321,653.41		119%		119%		\$ 366,234.91		\$ 372,974.05	\$ 59,304.00	\$ 190,000.00	\$ 53,750.00	

Location # 1

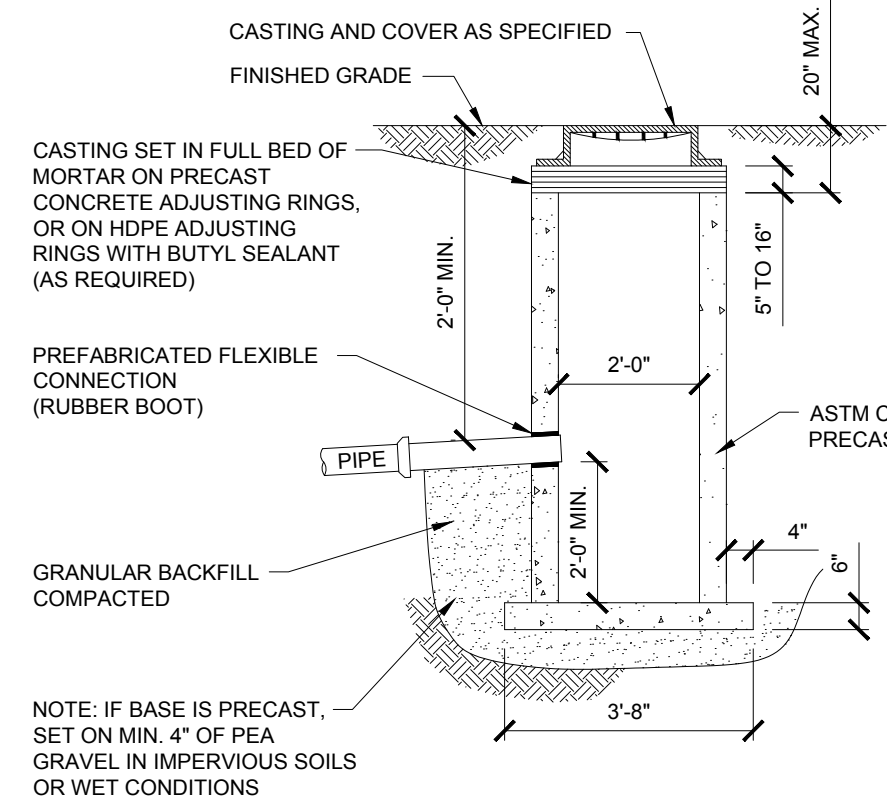
ALTERNATE ITEMS

				Engineer's Estimate		Crawford Contracting, Inc.		Elmer's Crane and Dozer, Inc.					
Item No.	Est Qty	Unit	Description of Items	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
98A	26.00	Ea	Valmont Shaft, Sternberg Arm & Luminaire Per Project Specifications	\$ 8,000.00	\$ 208,000.00	\$ 10,500.00	\$ 273,000.00	\$ 13,185.00	\$ 342,810.00	131%	\$ 65,000.00	165%	\$ 134,810.00
98B	26.00	Ea	Contractor Shaft, Arm & Luminaire Alternate	\$ 6,000.00	\$ 156,000.00	\$ 7,095.30	\$ 184,477.80	\$ 11,875.00	\$ 308,750.00	118%	\$ 28,477.80	198%	\$ 152,750.00
200	2.00	Ea	Dimming Systems	\$ 5,000.00	\$ 10,000.00	\$ 5,000.00	\$ 10,000.00	\$ 9,350.00	\$ 18,700.00	100%	\$ -	187%	\$ 8,700.00
201	26.00	Ea	Upper Receptacles and Circuits	\$ 1,500.00	\$ 39,000.00	\$ 1,400.00	\$ 36,400.00	\$ 897.00	\$ 23,322.00	93%	\$ (2,600.00)	60%	\$ (15,678.00)
202	26.00	Ea	Lower Receptacles and Circuits	\$ 1,500.00	\$ 39,000.00	\$ 1,400.00	\$ 36,400.00	\$ 880.00	\$ 22,880.00	93%	\$ (2,600.00)	59%	\$ (16,120.00)
TOTAL BASE BID WITH ITEMS 200, 201 and 202				\$ 1,409,653.41		\$ 1,650,538.01		\$ 1,639,379.15					\$ 320,000.00

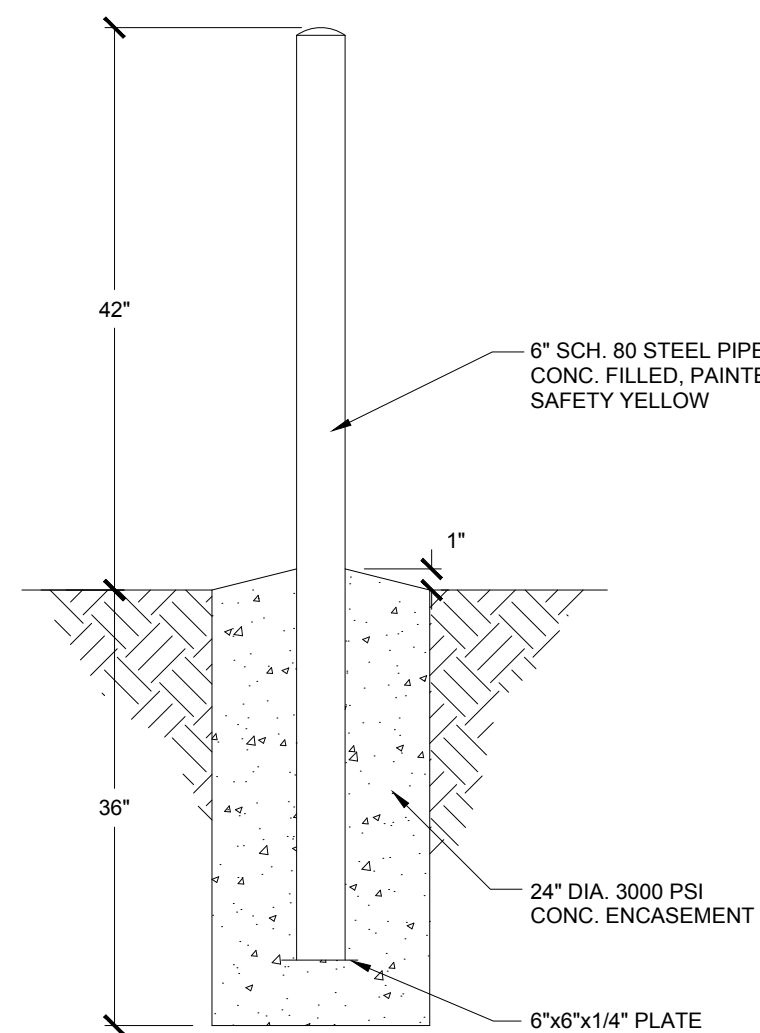




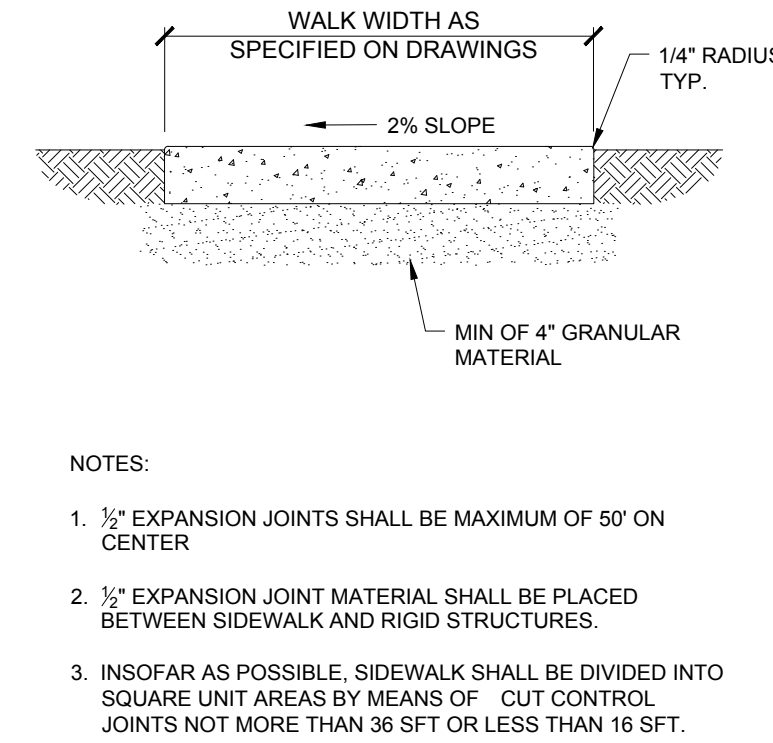
STANDARD STORM MANHOLE



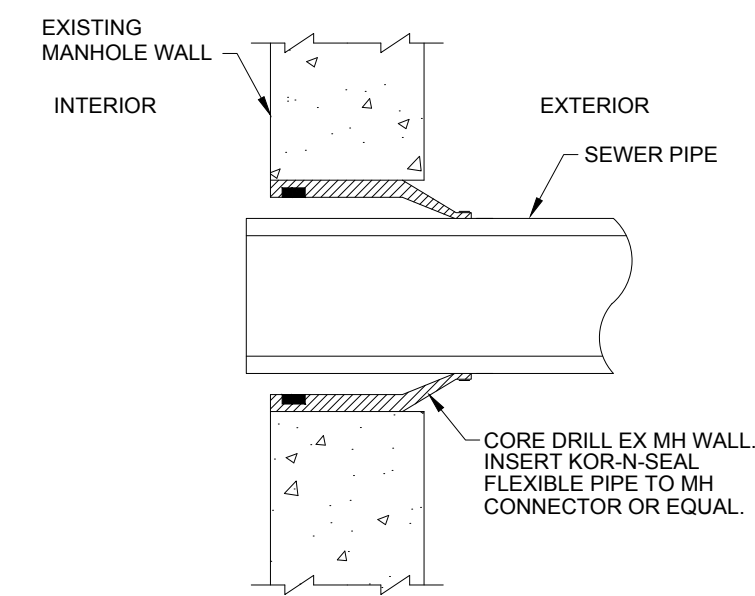
2' DIA. CATCH BASIN WITH SUMP



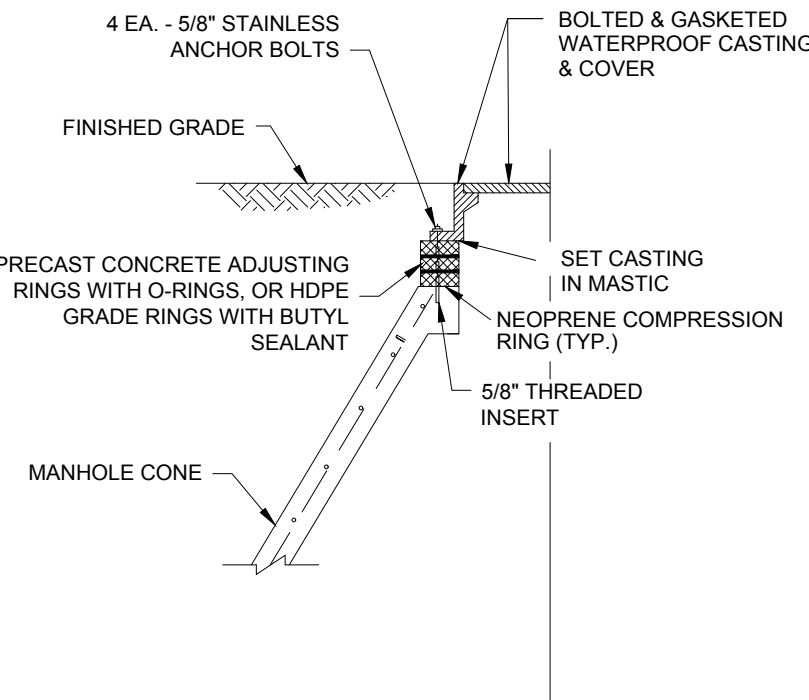
PIPE BOLLARD DETAIL



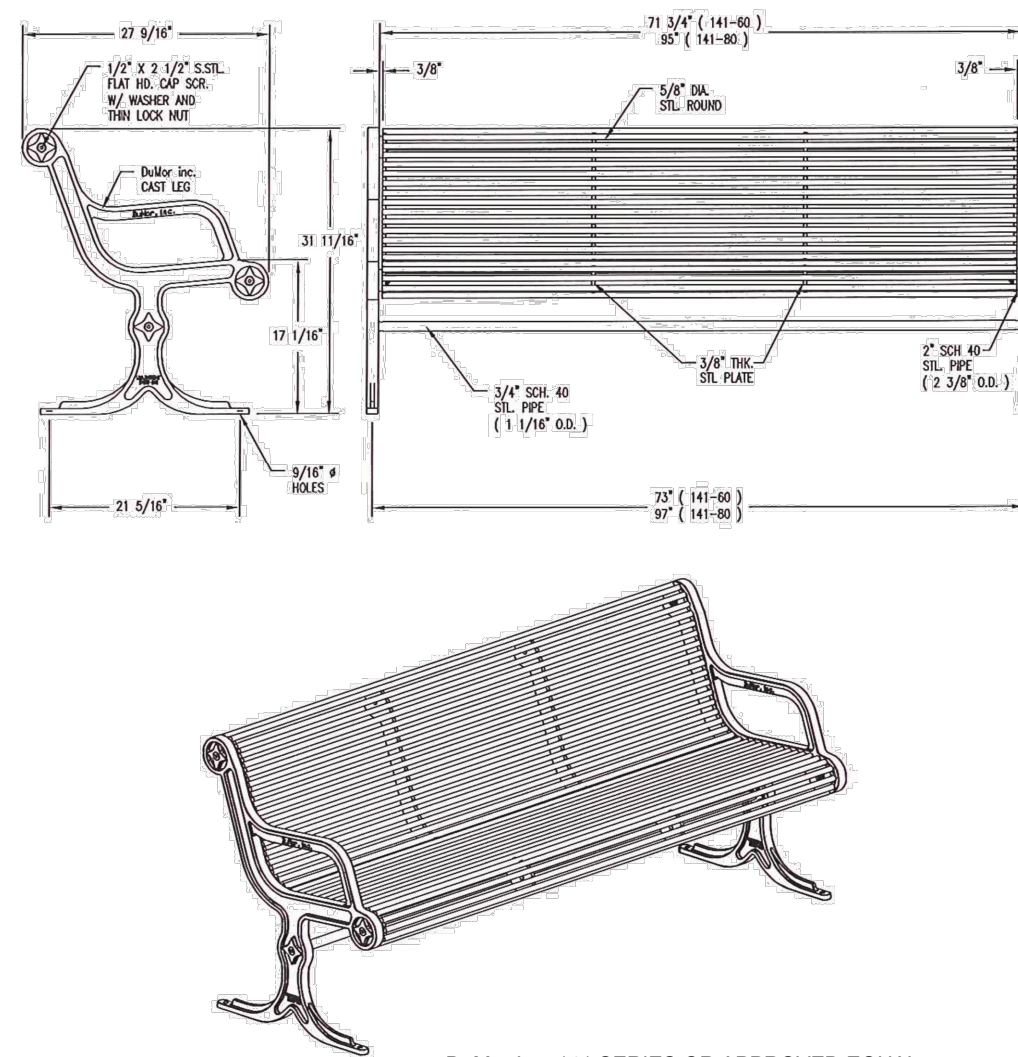
4" CONCRETE SIDEWALK



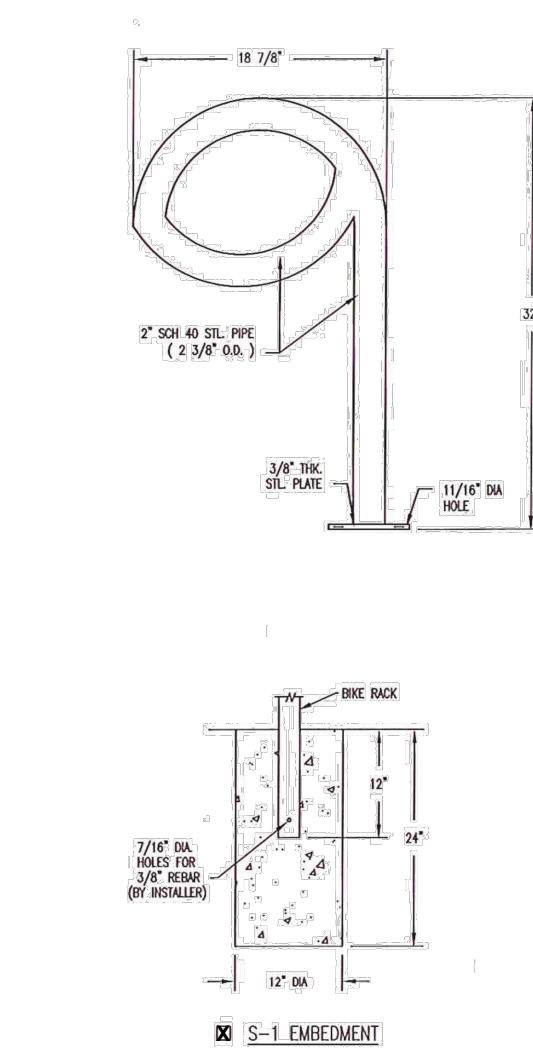
EXISTING MANHOLE
PIPE CONNECTION



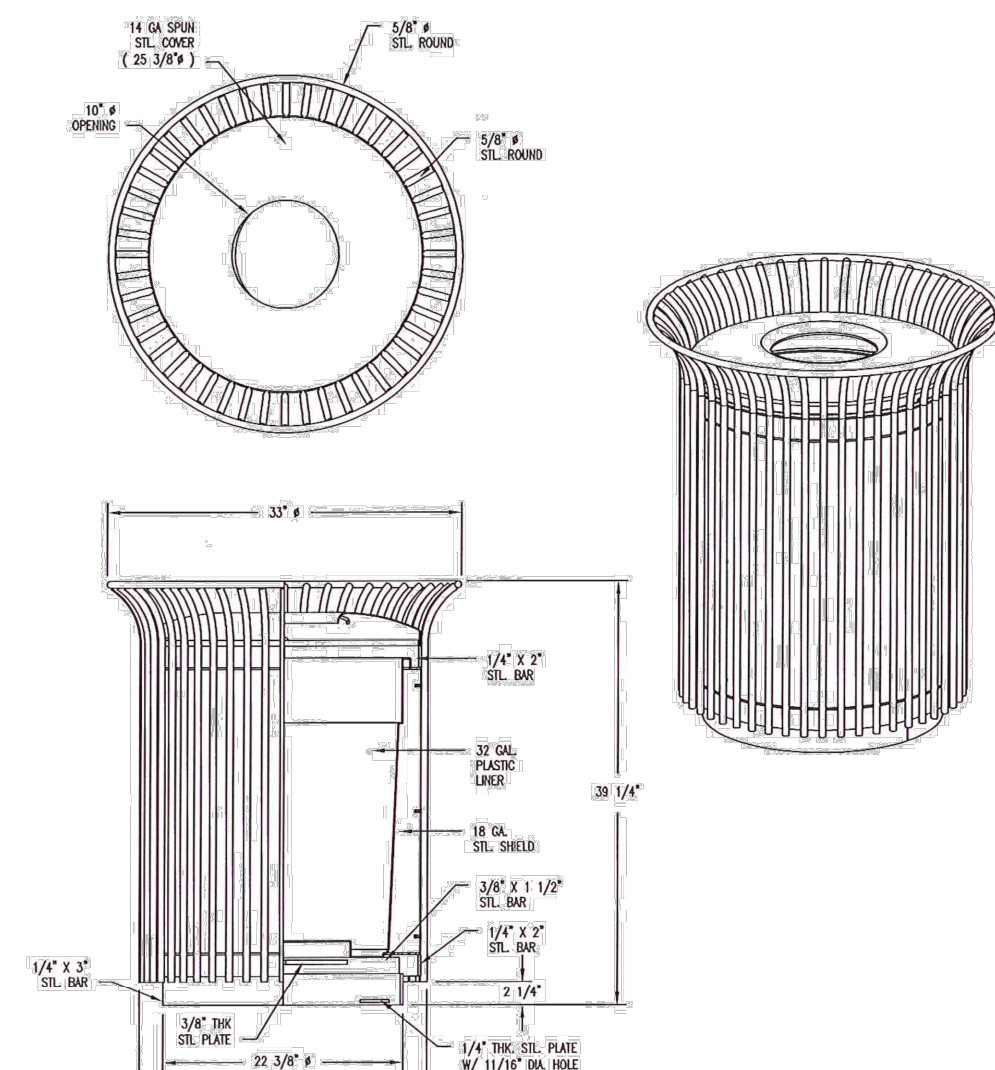
WATER TIGHT MANHOLE COVER



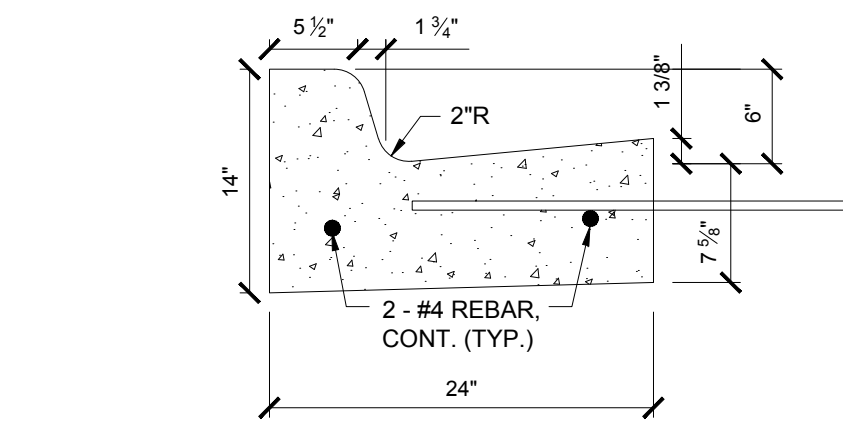
BENCH



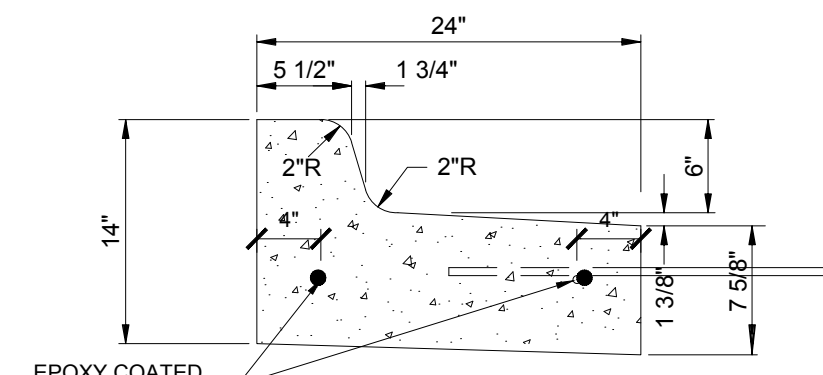
BICYCLE RACK



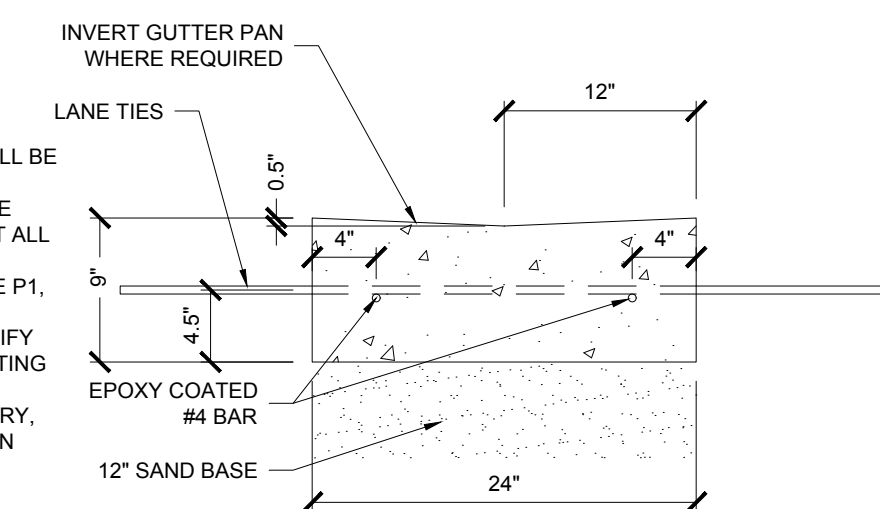
TRASH RECEPTACLE



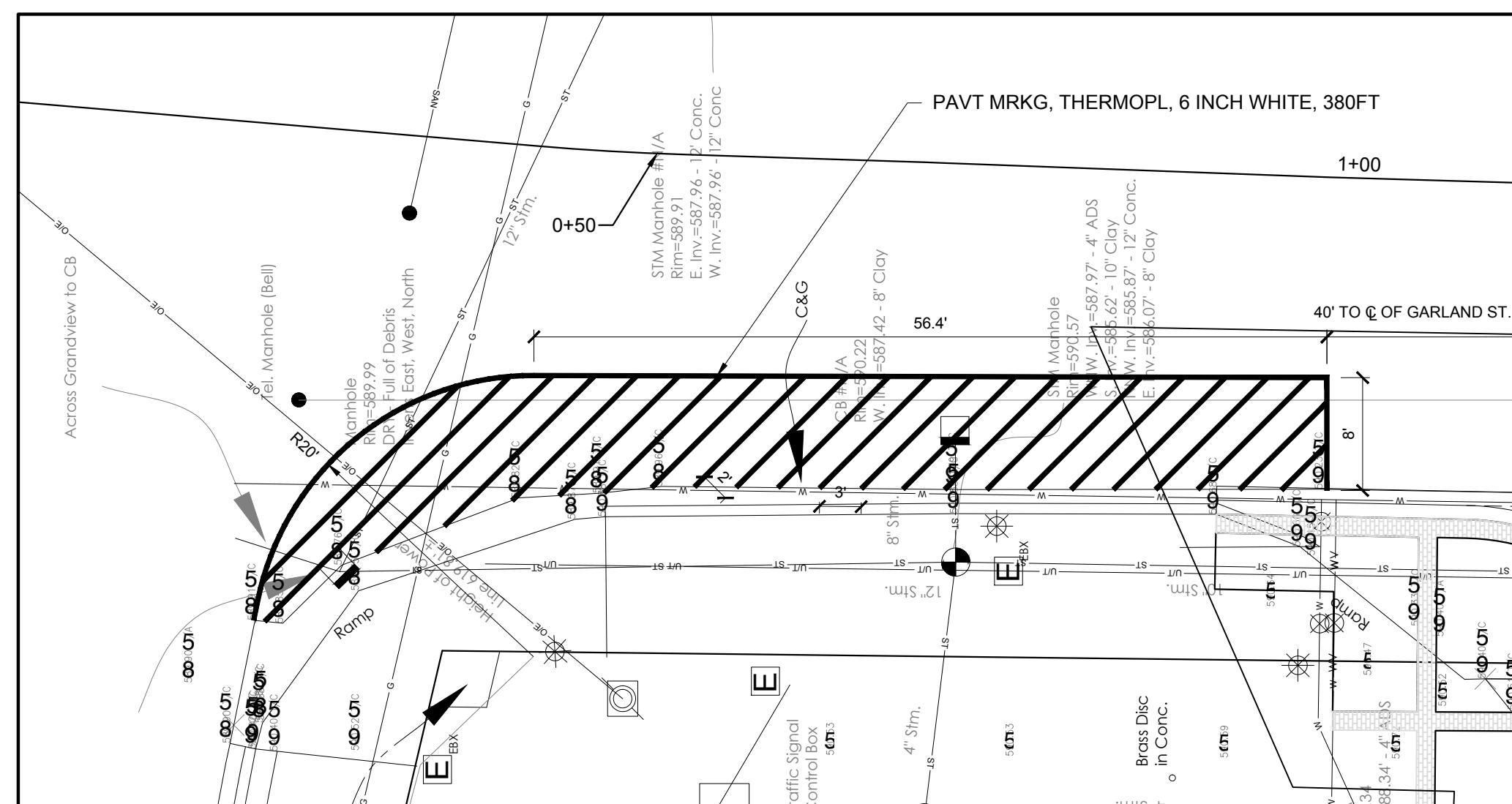
TYPE F4 DETAIL



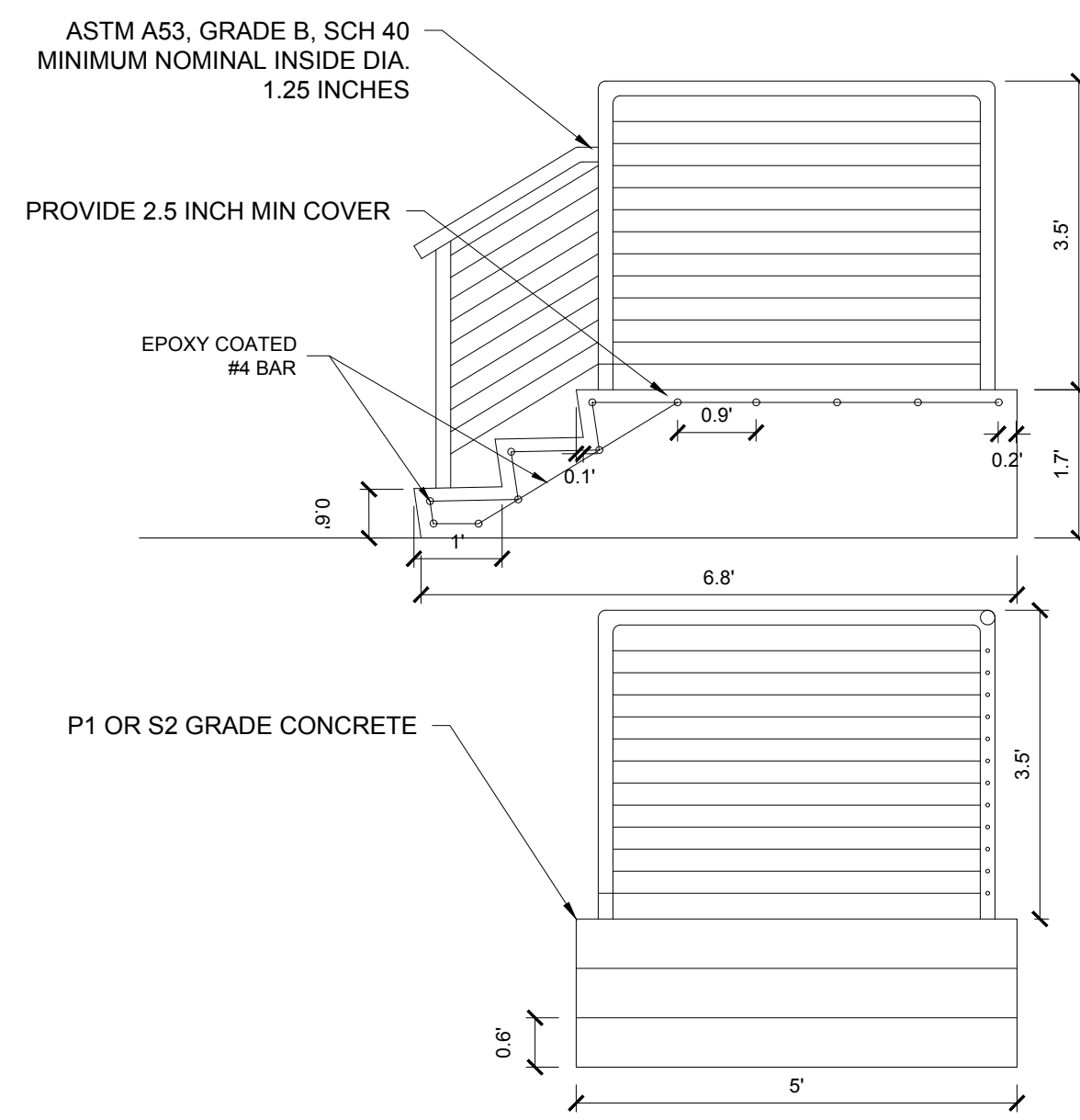
24" CONCRETE CURB AND GUTTER (INVERTED)
(MDOT F4 MOD.)



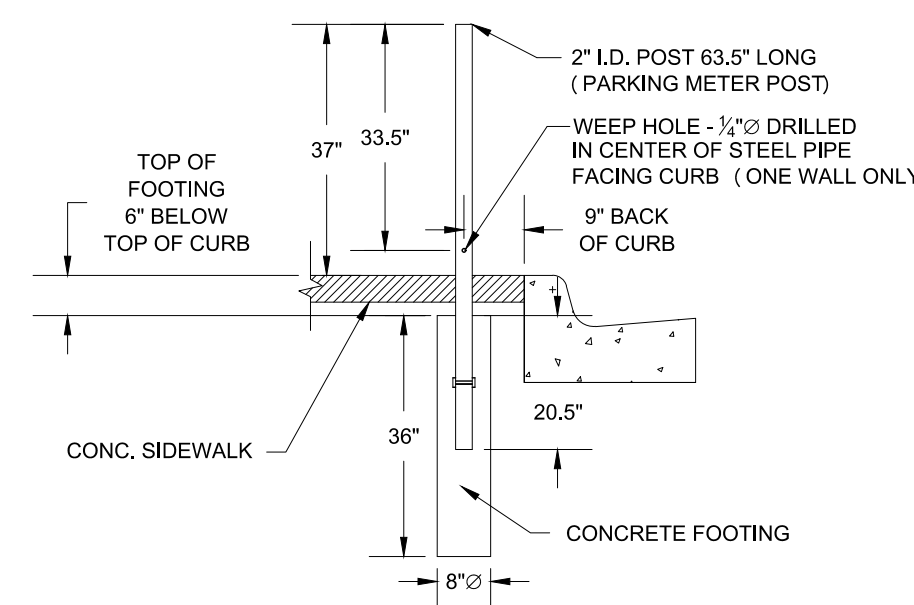
VALLEY GUTTER, CONC



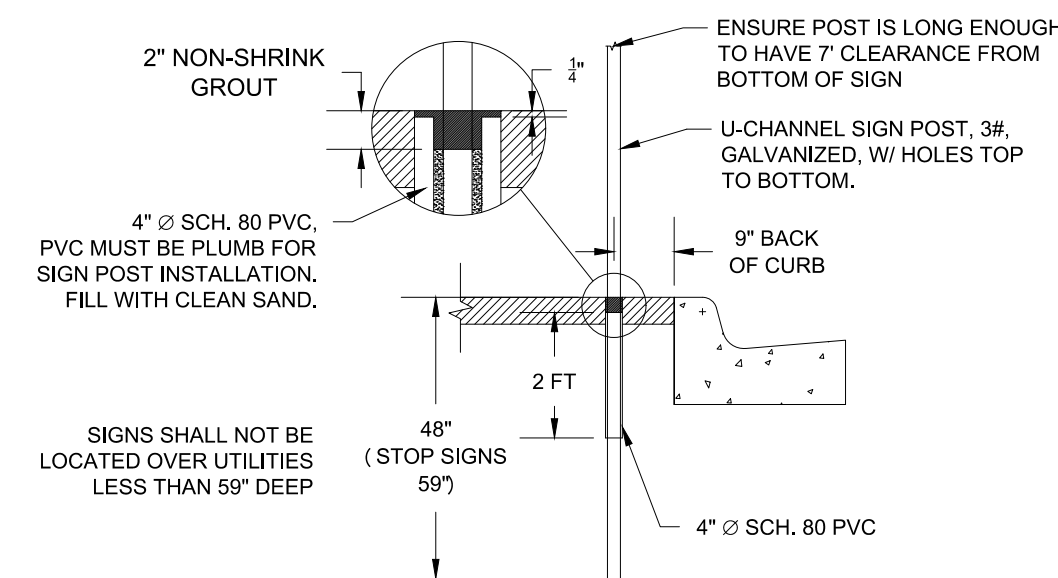
BUS PARKING STRIPING PLAN



STAIRS



PARKING METER DETAIL
N.T.S.



TRAFFIC SIGN POST DETAIL
N.T.S.



The City of Traverse City
Engineering Department
400 Boardman Avenue
Traverse City, Michigan 49684

CITY OF TRAVERSE CITY
2016 GARLAND STREET RECONSTRUCTION PROJECT
STREET, STORM SYSTEM & SANITARY SYSTEM DETAILS

Revision/Issue	Date
PRELIMINARY PLANS	3/2/16
BID PLANS	3/18/16
Date:	03/18/2016
Project No.:	819340
Drawn by:	CMB
Scale:	1" = 20'
Sheet No.:	4

**CITY OF TRAVERSE CITY AND TRAVERSE CITY LIGHT & POWER
STREET LIGHTING OPERATIONS AND MAINTENANCE POLICY**

**JOINT RESOLUTION ESTABLISHING A WRITTEN POLICY REGARDING THE
OPERATIONS AND MAINTENANCE OF THE STREET LIGHTING SYSTEM WITHIN
THE JURISDICTIONAL BOUNDARIES OF THE CITY OF TRAVERSE CITY**

WHEREAS Traverse City Light & Power ("TCL&P") is a component unit of the City of Traverse City and under Section 175 of the Charter for the City of Traverse City is responsible for the development, production, purchase and distribution of lighting services within the City of Traverse City as referenced in the City's Attorney opinion; and

WHEREAS pursuant to its responsibility under Section 175 of the City Charter TCL&P shall manage all aspects of the street lighting system within the City of Traverse City's jurisdictional boundaries (the "System"), including all costs of operation and maintenance. The City shall reimburse TCL&P annually an amount equal to 5% of the street lighting revenues recorded on TCL&P's financial statements; and

WHEREAS, TCL&P has the knowledge, expertise, and ability to manage and operate the System;

NOW THEREFORE BE IT RESOLVED THAT, the TCL&P Board and the City of Traverse City adopt the following written policy regarding the operations and maintenance of the System as follows:

1. Street Lighting Defined. A lighting system consisting of one or more luminaries with the intended use for public roadway lighting that is open to the State of Michigan or any political subdivision or agency having jurisdiction over public streets or roadways. No private property applications would be considered part of the System.
2. Engineering & Design. TCL&P shall be responsible for the engineering and design of the System including any new additions. When appropriate, TCL&P shall coordinate installation/replacement of any new or existing street lighting services with the appropriate city department(s).
3. Charges for Service. The charges for street lighting services shall be charged to the appropriate local unit of government in accordance with the tariff rates established by TCL&P. For street lights within the System TCL&P is the appropriate local unit of government.

4. Addition of Street Lights. Any additions to the System shall be at the sole discretion of TCL&P. In the event that the City requests an addition to the System, such request shall be made by the City Manager or his or her designee and the City will agree to pay a one-time fee per light as agreed to by the parties. In all cases TCL&P retains the right to self fund lighting projects it deems in the best interests of the community or the Light & Power Department.
5. Decorative Street Lighting. Public decorative street lighting shall be available along public streets including neighborhoods and business districts; the process for obtaining approval of a new decorative lighting project shall be governed by the TCL&P Decorative Street Lighting Policy.
6. Security Lighting. From time to time citizens may request that lighting be installed in a public right of way, such as an alley, for security reasons. These private party requests shall be directed to the City Police Department who may recommend to the City Manager that lighting be installed. This type of lighting shall be subject to the Private Area Lighting Rate or "Security Lighting" offered by TCL&P. Monthly fees for this service shall be billed to the appropriate unit of government, or to the requesting party as directed by the City Manager, through the utility billing system. TCL&P shall not be considered the appropriate unit of government for this type of lighting.
7. Removal. The removal of street lights shall be the responsibility of TCL&P. Any City request to remove street lights shall be made in writing by the City Manager. Any liability that may arise as a result of the removal of street lighting as requested by the City shall be the responsibility of the City.

Edward E. Rice

Edward E. Rice
Executive Director and Secretary
Traverse City Light and Power Board

I hereby certify that the above Resolution was adopted at the June 21, 2010, Regular Meeting of the City Commission held in the Commission Chambers, Governmental Center, 400 Boardman Avenue, Traverse City, MI 49684.

Debbra A. Curtiss

Debbra A. Curtiss, City Clerk

Light and Power Department
City of Traverse City, MI
Adopted: November 13, 1990
Amended: June 11, 2013

DECORATIVE LIGHTING POLICY

TO PROVIDE guidance to the Department in facilitating the development of Decorative Lighting Projects within the utility service area for Traverse City Light & Power Board consideration of approval. Further, to define ownership, operation & maintenance, system replacements, and funding options.

DECORATIVE LIGHTING DEFINED: A system consisting of one or more luminaries where the Department has an existing distribution system with secondary voltage available that is defined as an approved decorative lighting style under the "MATERIALS/EQUIPMENT" section of this policy, or is otherwise approved as a decorative lighting style by the Executive Director. There are three types of decorative lighting systems within the community: Residential/neighborhood, Pedestrian/trail, and Commercial Districts. This policy covers only those projects that provide lighting in public areas or within the public right-of-way that are accessible to the general public. Projects within private developments and/or on private property shall be privately designed, constructed, and owned. Light & Power shall meter and bill private development projects at Board approved tariff rates.

LIGHTING SPECIFICATIONS: The Department shall design, furnish, install, and own all equipment and infrastructure comprising the decorative lighting system. Specifications will be in compliance with City of Traverse City Master Plan Urban Design Element, along with City of Traverse City regulations for lighting levels, if any. Environmental concerns and energy use are some of the factors that will be considered to limit the amount of lighting. Lighting will be installed to Department specifications, which will be regularly updated as technologies advance.

MATERIALS/EQUIPMENT: Poles and fixtures used for decorative lighting must be approved for use by the Executive Director. Approval will be based on operation, maintenance, conservation, and cost criteria. There are 2 styles of decorative fixtures that are currently approved: the acorn and the candy cane. The acorn is used in both residential and commercial districts; while the candy cane is used in the commercial districts. Fixtures other than styles supported by the Department will require approval by the Executive Director and may subject the requestor(s) to reimbursing the utility for any additional costs, including the cost of maintaining an appropriate level of inventory for repairs and/or replacement equipment and fixtures.



Candy Cane



Acorn

INSTALLATION PROCESS: This section will address when Decorative Lighting Systems will be installed and/or upgraded, the end of the service life, cost of replacement, and the approval process.

- a) **Installation/Upgrades:** Every effort will be made to install and/or upgrade Decorative Lighting Systems in conjunction with the City's plans for street reconstruction. During the annual Capital Planning Process, it is requested that the City Manager provide a written request to the Department's Executive Director on any City projects that will or could require decorative lighting additions/replacements. Additionally, the Department shall notify the City Manager in writing of any systems that are scheduled for replacement well in advance for City Capital Planning purposes.

It is anticipated that the City and the Department will work together to minimize project costs and to reduce the inconvenience/disruption to residents, businesses and visitors.

The Light & Power Board retains the right to deny or delay participation in any project.

- b) **End of Service Life:** The lighting infrastructure that the Department installs is designed to last approximately 20 to 30 years. At some point the cost to maintain the system becomes more than its present value and/or safety concerns have resulted in the infrastructure reaching the end of its usable service life. The end of service life will be determined by the Department's Executive Director. The end of service life shall not occur before all street lighting assessments are paid in full. When the end of service life is reached the Department may schedule its replacement in its Six Year Capital Improvements Plan for approval by the Board and City Commission. Approval of the Plan will determine that the system will be replaced. If the project is not approved the system will be scheduled for removal.
- c) **Cost of Replacement:** The Decorative Lighting System shall be owned, operated and maintained by the Department. Replacement of the system shall occur as follows:

- The related underground systems will be replaced, as required, with the entire cost borne by the Department. The underground distribution system supporting the Decorative Lighting System becomes part of the Departments overall distribution system upon its installation, and it shall be maintained and replaced in the same manner as any other underground distribution system.
 - The above ground equipment/fixtures shall be replaced with the cost of the equipment/fixture paid by the benefiting party. This can be done through special assessments, Tax Increment Financing, bonds, City Capital Projects Fund, or any other funding mechanism that reimburses the utility for the cost of the replacement fixtures/equipment. Whatever form of reimbursement is used, including the timeframe for reimbursement to the utility will be presented to the Board at the time the Board considers approval of the purchase or replacement equipment/fixtures.
 - The Light & Power Board retains the right to self-fund any project it deems in the best interest of the City or Light & Power.
- d) **Approval Process:** Time permitting; all Decorative Lighting Projects shall be included in the Light & Power Six Year Capital Improvements Plan (the "Plan"). The Plan will have been approved by the Light & Power Board, City Planning Commission and City Commission.

Initiation of a Decorative Lighting Project can be from either the City, Downtown Development Authority, neighborhood organization, or other interested parties. With approval of the Executive Director, staff will prepare conceptual plans and cost estimates for inclusion in the Plan (the cost estimate will separate the cost of fixtures, underground infrastructure and installation charges.) If outside of the Plan timing process, these conceptual plan and cost estimates shall be forwarded to the Board for consideration of participation in the project, along with a recommendation from the Executive Director.

Upon Board approval of the Plan, staff (or other party if by agreement) shall commence with engineering, design, and preparation of bid packages in coordination with the City or other party(s) so that Light & Power staff is prepared to seek bids in a timely manner for the project. Actual bids shall be submitted to the Board for final approval, as required by the Purchasing Policy.

The Department reserves the right to delay approved decorative lighting projects due to other priorities, at the discretion of the Executive Director.

FUNDING: The cost of a Decorative Lighting Project includes fixtures, underground infrastructure, engineering, administration, design, installation, inspection, and final closeout. Generally, Light & Power's contribution to Decorative Lighting Projects will include the cost of underground infrastructure, engineering, administration, installation charges, inspections, and final closeout. The cost of fixtures, and their eventual replacement, shall be borne by the

requestor or benefiting party.

- a) Decorative Lighting with Street Reconstruction Projects: Decorative lighting will be installed as part of a street reconstruction project at the request of the City and as approved by the Board. Decorative light fixtures will be purchased and installed by Light & Power. The cost of the fixtures shall be reimbursed to Light & Power as approved by the Board. Funding may come from the City's Capital Improvements Fund, TIF Funds, Grants, special assessments, or other funds.
- b) Decorative Lighting Stand Alone Projects: Decorative lighting can be installed in advance of street reconstruction or along designated recreation/pedestrian trails in the public right-of-way. Decorative light fixtures will be purchased and installed by Light & Power. The cost of the fixtures shall be reimbursed to Light & Power as approved by the Board. Funding may come from the City's Capital Improvements Fund, TIF Funds, Grants, special assessments, or other funds.
- c) Operation and Maintenance Costs: Decorative lighting that has been installed in the public right-of-way and to Light & Power standards (lighting levels and equipment used) will be owned by the utility. The operation and maintenance costs for decorative lighting are borne by Light & Power in accordance with the City of Traverse City and Traverse City Light & Power Street Lighting Operations and Maintenance Policy adopted on June 22, 2010.

As in all lighting projects, Light & Power retains the right to self-fund projects it deems in the best interests of the city or Light & Power.

This policy supersedes and replaces the Decorative Street Lighting Policy adopted on November 13, 1990, and all other policies in conflict with this policy.

Timothy J. Arends

Timothy J. Arends,
Executive Director and Secretary
Traverse City Light and Power Board